Philips Brilliance
LCD widescreen monitor

22" wide
WSXGA+

Brilliance

220BW9CB

# Ergonomic business display for higher productivity

Larger, better widescreen business display:Delivering the best-ever LCD picture quality, compact ergo base for better viewing position, built-in sound, Vista-ready, Eco-friendly design,Philips Brilliance 220BW9 is ready to get the job done.

### Designed for maximum productivity
- TrueVision: Laboratory quality display performance
- Big, widescreen ideal for viewing two A4 pages side-by-side
- Empowered for Windows Vista

### Outstanding front of screen performance
- SmartImage: Optimized user friendly display experience
- SmartContrast: For incredible rich black details

### Great convenience
- Dual input accepts both analog VGA and digital DVI signals
- Hassle-free display performance tuning with SmartControl II
- Auto picture format control switching in wide and 4:3 format
- Tilt, swivel and height-adjust for an ideal viewing position
- USB port for convenient peripheral connections
- Built in stereo audio for multimedia experience

product design award 2009

PHILIPS
sense and simplicity

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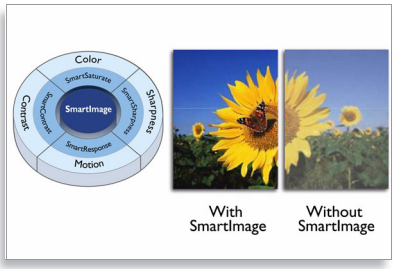
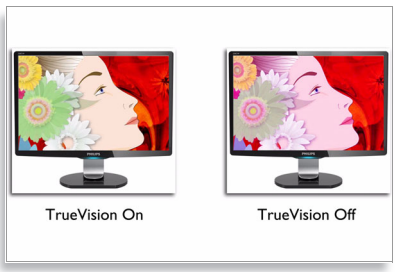
# Highlights

## SmartImage



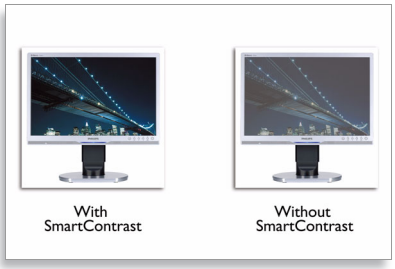

SmartImage is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, color saturation and sharpness of images and videos for ultimate display performance - all in real time with the press on a single button.

## TrueVision



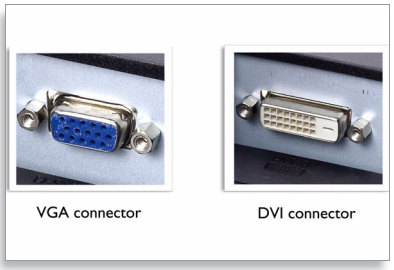

TrueVision is industry-leading, proprietary Philips testing and algorithm technology for monitor adjustment and fine tuning, an extensive process that ensures ultimate display performance in compliance with a standard four-times more stringent than Microsoft's Vista requirements from each and every monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of color accuracy and display quality in every new monitor.

## SmartContrast




SmartContrast is Philips technology that analyzes the contents you are displaying, automatically adjusting colors and controlling backlight intensity to dynamically enhance contrast for the best digital images and optimum contrast for more entertainment fun when viewing videos or playing games where dark hues are displayed; when you select the Economy mode, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

## Dual input




Dual input provides connectors to accommodate input of both analog VGA and digital DVI signals.

## SmartControl II

SmartControl II is monitor-based software with an easy-to-use on-screen graphic interface that guides you through fine-tuning resolution, color calibration and other display settings including brightness, contrast, clock & phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

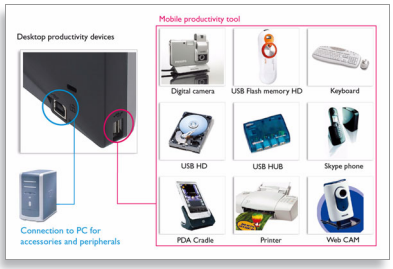
## Widescreen

A big, widescreen display that improves productivity by displaying two A4 pages side-by-side.

## Compact Ergo Base

The Compact Ergo Base is a 'people friendly' Philips monitor base that tilts, swivels and height adjusts so each user can position the monitor for maximum viewing comfort and efficiency.

## USB 2.0 port




USB port allows user to conveniently connect their plug and play multimedia devices such as USB memory devices, camera, portable HDD, Web camera, PDA, Printer and many other devices which has USB connection available. The conveniently located USB 2.0 port on the monitor allows USB 2.0 signals to pass thru to the computer. Note that many devices like cameras and HDD may need to be powered On independently, as they have higher power requirements than the monitor USB port can provide

## Windows Vista ready

Philips Vista-ready monitors are empowered for vibrant, exciting display of this new, visually sophisticated and demanding Windows operating system, designed to enhance your entertainment experience, make you more productive and help you control your computing experience at home and in the office, making viewing, finding and organizing information for work or play quick, efficient and easy.

## Built-in stereo audio

A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

SmartImage™ SmartErgoBase SmartContrast USBConnectivity HDCP ready Built-in Speakers CERTIFIED FOR Windows Vista®

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# Specifications

## Picture/Display
- Panel Size: 22" / 55.9 cm
- LCD panel type: 1680 x 1050 pixels, Anti-glare polarizer, RGB vertical stripe
- Optimum Resolution: 1680 x 1050 @ 60Hz
- Maximum Resolution: 1680 x 1050 @ 75Hz (analog), 1680 x 1050 @ 60 Hz (digital)
- Display colors: 16.7 M
- Aspect ratio: 16:10
- Brightness: 300 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast ratio (dynamic): 10000:1
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Response time (typical): 5 ms
- Effective viewing area: 474 x 296 mm
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- Pixel pitch: 0.282 x 0.282 mm
- sRGB

## Connectivity
- Signal Input: VGA (Analog ), DVI-D, PC Audio in
- USB: USB 2.0 x 1
- Audio output: Stereo Audio (3.5 mm jack) 1x
- Sync Input: Composite Sync, Separate Sync, Sync on Green

## Convenience
- User convenience: SmartControl II, SmartManage enabled, Picture format selection, On-screen Display
- Built-in Audio: 1.5 W x 2
- Monitor Controls: Auto (Back), Brightness (Up), Menu (OK), Power On/Off, SmartImage, Volume control (Down)
- OSD Languages: English, French, German, Italian, Russian, Simplified Chinese, Spanish, Portuguese
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 98, Windows 2000, Windows XP, Windows Vista
- Regulatory Approvals: CCC, CE Mark, Energy Star, FCC Class B, SEMKO, TCO '03, TÜV/GS, TÜV Ergo, UL/cUL
- Height Adjustment: 70 mm
- Swivel: +/-45°
- Tilt: -5° to 20°
- Other convenience: Kensington lock compatible
- VESA Mount: 100 x 100 mm

## Dimensions
- Set dimensions with stand (W x H x D): 502 x 446 x 228 mm
- Set dimensions with stand in inch (W x H x D): 19.8 x 17.6 x 8.98 inch
- Relative humidity: 20% - 80%
- MTBF: 50,000 hrs
- Set dimensions (W x H x D): 502 x 346 x 58 mm
- Set dimensions in inch (W x H x D): 19.8 x 13.6 x 2.26 inch
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Box dimensions (W x H x D): 562 x 491 x 173 mm
- Box dimensions in inch (W x H x D): 22.1 x 19.3 x 6.81 inch
- Product weight (+stand): 5.12 kg
- Product weight (+stand) (lb): 11.3 lb
- Weight incl. Packaging: 6.8 kg
- Weight incl. Packaging (lb): 15.0

## Power
- Consumption (On mode): < 45 W (Typical)
- Consumption (economy mode): 34 W
- Complies with: Energy Star
- Consumption (Off Mode): < 0.8 W
- Power LED indicator: Operation - Blue, Stand by/ sleep -blue(blinking)
- Power supply: Built-in, 100-240VAC, 50/60Hz

Issue date 2009-04-22

Version: 5.0.5

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EAN: 87 12581 41083 4

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